

STA-KOOL®

SK 780 SILICONIZED ELASTOMERIC ROOF COATING Data Sheet

- Advanced Waterproofing Technology
- Best at Reducing Heat Buildup
- Professional Grade
- Expands & Contracts Up to 350%

Can be used on:

- Cement Tile (Flat or Barrel)
- Metal Roofs (aged Galvanized)
- Polystyrene Foam
- Mobile Home Roofs
- Bonded Gravel Roofs
- Aged Roofs previously coated with asphalt, aluminum, or tar.
- Built-up Roofs
- Polyester Plastic Panel
- Urethane Foam
- R.V. Roofs
- Asphalt Shingle Roofs

DESCRIPTION: Sta-Kool 780, Ultra White Siliconized Elastomeric Roof Coating is a tough, highly flexible, white acrylic roof coating. By enhancing the product with silicone, water resistance, adhesion and life expectancy are greatly increased. This high performance product resists cracking, peeling and mildew, while offering tremendous durability, and long term life. It expands and contracts with the roof's movement to resist damage. The coating provides an excellent, highly protective barrier which reflects the sun's heat and destructive UV rays. In turn, this helps to cool surfaces and leads to a reduction of interior temperatures. This product is an "investment", and can actually pay for itself in savings on cooling costs!

PREPARATION: Pressure washing entire surface is recommended for best results (use only a wide fan spray tip). All surfaces must be dry and free of dust, dirt, oil, loose granules, gravel or peeling paint and all other foreign matter. Roofs must have proper ventilation. Rusty metal must be cleaned with a wire brush and primed before application of this product. Repair all leaks and cracks with Sta-Kool 390 White Roof Patch and Stress Block 170 Seam and Repair Fabric in accordance with product instructions. Surfaces previously coated with aluminum, asphalt or tar should be allowed to cure for a minimum of one summer season prior to coating with this product. Surfaces with mildew growth or stains must be cleaned with a bleach solution (2 parts water to one part bleach). Be certain all surfaces are thoroughly rinsed and dry prior to applying coating. Do Not Thin.

APPLICATION: Surface and air temperatures must be a minimum of 55°F and rising. DO NOT apply if heavy dew or rain is expected within 24-48 hours. Apply on clear, sunny day in morning hours with a 3/4" nap exterior paint roller. First, apply one coat over all seams and joints. Allow to cure for one hour or until dry, then apply two (2) uniform coats over entire surface, avoiding excessive rolling. Two full coats are needed for all applications. Apply second coat perpendicular to first coat. Allow at least 24 hours between coats and 24-48 hours for full curing. DO NOT apply to flat surfaces, poor drainage areas, or where ponding water will exist.

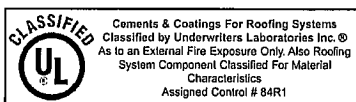
COVERAGE RATE: Approximately 50-75 sq. ft. per gal. per coat. Total coverage for two (2) coat application is 25-35 sq. ft. per gallon.

NOTE: If roof becomes hot (over 100° F) during application, lightly mist roof surface with water spray to prevent coating from drying too fast. Remove any excess or puddling water prior to coating. If roof surfaces become soiled as they age, due to the elements, Elastomeric can be cleaned with a mild water and bleach solution. Excess scrubbing should be avoided. If coloring is desired, a typical addition of 3-4 ounces per gallon of universal colorant can be added, which will result in light pastel colors. Note: Color tinting will disclaim warranty.

CLEAN-UP: Clean tools with soap and water.

PRECAUTIONS: DO NOT allow product to freeze. Protective clothing and eyewear should be used during application of these products. When transporting this product, ensure that lid is tight and pail secure and upright. DO NOT allow pail to tumble as this may cause lid to loosen and leakage to occur. Do not transport on passenger seats or inside the passenger compartment of any vehicle. Store product in the cargo area of vehicle, and secure over protective cloths to prevent damage due to accidental spills. DO NOT store at temperatures above 110°F. Close container after use. DO NOT reuse empty containers. Not for use on EPDM or some single ply membranes. Do not use in drinking water or food systems.

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Gardner Asphalt Corporation,
P.O. Box 5449 • Tampa, FL 33675



FOR USE IN CLASS A, B, OR C ROOFING SYSTEMS



See MSDS for more info

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS

Weight Per Gallon	11.66 lbs.
Solids by Weight	65.2%
Solids by Volume	53.2%
Viscosity (ASTM D-2697)	130 KU
Elongation (ASTM D-562)	250-300%
Tensile Strength (ASTM D-2370)	200-250 psi
Reflectivity (ASTM C-523)	92%
Permeability (ASTM D-1653)	Inverted 20 perms
Adhesion to Polyurethane Foam	4.1 lbs./in.
Combustible Solvents	None
Consistency	Brush, spray or roller
Cure Time (50% Relative Humidity, 70°F)	2-4 hours
Full Cure (50% Relative Humidity, 70°F)	24-48 hours
Application Temperatures	55°F and rising
Flammability	N/A (water-based)
Clean-up Tools	Soap and warm water

Approx. Shipping Weights: (Note: All approx. weights include container.)

1 gallon (3.8L)	12.3 lbs.
(4) 1 gallon containers/case	49.2 lbs.
5 gallons (18.9L)	61 lbs.
55 drums (208.2L)	700 lbs.

CAUTION! HARMFUL IF SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. USE WITH ADEQUATE VENTILATION. KEEP CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

FIRST AID: Avoid prolonged breathing of vapor or spray mist. In Case Of: **INGESTED:** Contact a physician immediately. **SKIN CONTACT:** Wash thoroughly with soap and water. **EYE CONTACT:** Flush thoroughly with clean water and contact a physician immediately.

Warning! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

CALIF. PROP. 65 • CHEMICAL WARNING (CALIFORNIA HEALTH AND SAFETY CODE #25249.5 ET SEQ.) WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or reproductive harm. Use proper protection and adequate ventilation, when using product.

VOC/VOS = 10 g/l

Water/Agua	CAS # 7732-18-5
Latex Polymer/Polímero de látex	CAS # Mixture
Titanium/Titanio	CAS # 13463-67-7
Calcium Carbonate/Carbonato de calcio	CAS # 1317-65-3

Product is asbestos free.

WARRANTY AND DISCLAIMER: Sta-Kool 780 Elastomeric Roof Coating is guaranteed to form a protective coating to your roof, for a period of ten (10) years from the date of purchase. This warranty is only applicable when this product is applied according to our directions, in two coats, and used with other Sta-Kool products. This warranty does not cover flat roofs, or poor drainage surfaces where ponding water exists. All surfaces must maintain a minimum slope of 1" per foot (5%), to be eligible for warranty. If the coating does not perform as stated during the guarantee period, we will provide, with sales receipt, the original purchaser with replacement coating to repair the affected part of the roof. Failures due to acts of God, fire, structural defects or causes beyond our control are excluded from this guarantee. The manufacturer is not responsible for any labor, property or other consequential damages or costs incurred in the original or any replacement application. Except as stated above, we make no warranties or guarantees, expressed or implied, and none should be inferred.

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